

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Express Mail No. EV351236560US

Applicant : Thuji S. Lin et al.
Application No. : to be assigned
Filed : October 16, 2003
Title : PHASE DETECTORS IN CARRIER FREQUENCY FOR
OFFSET QAM AND VSB

Grp./Div. : to be assigned
Examiner : to be assigned

Docket No. : 51397/LTR/B600

**INFORMATION DISCLOSURE STATEMENT
FOR A CONTINUING NON-CPA APPLICATION**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PostOffice Box 7068
Pasadena, CA 91109-7068
October 16, 2003


Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, enclosed is FORM PTO/SB/08A/B. The references listed thereon are not enclosed because they were of record in a parent application, Application No. 10/288,833, filed November 6, 2002.

It is respectfully requested that these references be considered in the examination of this application, and identified in the list of references cited on the patent issuing on this application.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By 
LeRoy T. Rahn
Reg. No. 20,356
626/795-9900

LTR/amb
Enclosure

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Attorney Docket Number	51397/LTR/B600
Application Number	To be assigned
Filing Date	October 16, 2003
Applicant(s)	Thuji S. Lin, et al.
Group Art Unit	To be assigned
Examiner Name	To be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	<u>DOCUMENT NUMBER</u> Number - Kind Code ² (If Known)	<u>PUBLICATION DATE</u> MM-DD-YYYY	NAME OF PATENTEE
		4,856,027	08/1989	Nakamura et al.
		5,214,501	05/1993	Cavallerano et al.
		5,235,424	08/1993	Wagner et al.
		5,282,023	01/1994	Scarpa
		5,311,547	05/1994	Wei
		5,321,725	06/1994	Paik et al.
		5,410,368	04/1995	Krishnamurthy et al.
		5,479,449	12/1995	Patel et al.
		5,550,596	08/1996	Strolle et al.
		5,572,249	11/1996	Ghosh
		5,583,889	12/1996	Citta et al.
		5,588,025	12/1996	Strolle et al.
		5,596,606	01/1997	Montreuil
		5,600,677	02/1997	Citta et al.
		5,636,251	06/1997	Citta et al.
		5,659,583	08/1997	Lane
		5,673,293	09/1997	Scarpa et al.
		5,694,419	12/1997	Lawrence et al.
		5,706,057	01/1998	Strolle et al.
		5,712,873	01/1998	Shiue et al.
		5,796,786	08/1998	Lee
		5,799,037	08/1998	Strolle et al.
		5,805,242	09/1998	Strolle et al.

EXAMINER SIGNATURE	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. ³Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English Language Translation is attached.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Attorney Docket Number	51397/LTR/B600
	Application Number	To be assigned
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U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	Cite No. ¹	DOCUMENT NUMBER Number - Kind Code ² (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
		5,872,815	02/1999	Strolle et al.
		5,894,334	04/1999	Strolle et al.
		6,005,640	12/1999	Strolle et al.
		6,097,768	08/2000	Janesch et al.
		6,160,443	12/2000	Maalej et al.

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶ (✓)

OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		ATSC Digital Television Standard, <i>Annex D, RF/Transmission Systems Characteristics</i> , pp. 46-60. (Sep. 16, 1995).
		ATSC Standard <i>RF/Transmission Systems</i> , Guide to the Use of the ATSC Digital Standard, pp. 96-101. (Oct. 4, 1995).
		ATSC Standard, <i>Receiver Characteristics</i> , Guide to the Use of the ATSC Digital Television Standard, pp. 102-136. (Oct. 4, 1995).
		HAWLEY, et al. "A 300 MHz Digital Double-Sideband to Single-Sideband Converter in 1 μ m CMOS", IEEE Journal of Solid-State Circuits, vol. 30, No. 1, Jan 1995, pp.4-10.
		HAWLEY, et al. "Design Techniques for Silicon Compiler Implementations of High-Speed FIR Digital Filters", IEEE Journal of Solid-State Circuits, vol. 31, No. 5, May 1996, pp.656-667.

EXAMINER SIGNATURE		DATE CONSIDERED	
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EXPRESS MAIL NO. EV351236560US

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**INFORMATION DISCLOSURE STATEMENT
37 CFR § 1.97(b)**

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October 16, 2003

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B listing a reference that is known to applicant. This filing is timely because it is made during one of the periods described in 37 CFR § 1.97(b).

It is respectfully requested that the listed reference be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By 

LeRoy T. Rahn
Reg. No. 20,356
626/795-9900

LTR/amb
Enclosure: Form PTO/SB/08A/B

FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B	Attorney Docket Number	51397/LTR/B600
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	Filing Date	October 16, 2003
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U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	Cite No. ¹	<u>DOCUMENT NUMBER</u> Number - Kind Code ² (If Known)	Publication Date MM-DD-YYYY	Name of Patentee
		US 6,493,409 B1	12-10-02	Lin et al.

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. ¹	<u>FOREIGN PATENT DOCUMENT</u> Country Code ³ - Number ⁴ - Kind Code ⁵ (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶ (✓)

OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

EXAMINER SIGNATURE		DATE CONSIDERED	
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